

Recovery Plan Action Status

Plan Name: Maryland Darter Revised Final Recovery Plan

Plan Status: Final Revision 1

Plan Date: 17-Oct-85

Lead Agency: USFWS

Lead Office: Chesapeake Bay Ecological Services Field Office

(410)

573-4500)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Maryland darter (Etheostoma sellare)	1	1	Establish and utilize management group	Obsolete			U.S. Fish and Wildlife Service, Maryland Natural Heritage Program, DNR	Work type not yet selected	Labor type not yet selected	No costs identified for 1st 3 FY
Maryland darter (Etheostoma sellare)	2	2.11	Collect life history information	Complete		Prior to FY 1995	U.S. Fish and Wildlife Service, Maryland Natural Heritage Program, DNR	Work type not yet selected	Species Expert	
Maryland darter (Etheostoma sellare)	2	2.12	Define habitat requirements	Complete		Prior to FY 1995	U.S. Fish and Wildlife Service, Maryland Natural Heritage Program, DNR	Work type not yet selected	Species Expert	
Maryland darter (Etheostoma sellare)	1	2.21	Establish survey priorities	Complete		FY 1995 - FY 1999	U.S. Fish and Wildlife Service, Maryland Natural Heritage Program, DNR, Maryland Tidewater Administration, DNR	Research: Population Surveys	Species Expert	Completed

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Maryland darter (Etheostoma sellare)	1	2.22	Survey sites in order of priority	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Maryland Natural Heritage Program, DNR	Work type not yet selected	Species Expert	This task was considered completed, for all practical purposes, by the late 1980's. However, in 1998, following the passage of ten years since the Maryland darter had been observed, a sampling approach was formulated to determine if the species was extirpated. The effort was initiated, but never completed due to lack of funds. Funding was received and grants awarded in late FY2009 to complete another two years of surveys, including electrotrawling, of the Susquehanna River and its tribs. A final report is to be submitted in FY2011. Additional surveys for the Maryland darter are to be done as a requirement for relicensing of Conowingo Dam.
Maryland darter (Etheostoma sellare)	1	3.1	Control and coordinate collection permits	Obsolete			U.S. Fish and Wildlife Service, Maryland Tidewater Administration, DNR	Work type not yet selected	Labor type not yet selected	No costs identified for 1st 3 FY
Maryland darter (Etheostoma sellare)	1	3.2	Enforce protective laws and regs	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Maryland Tidewater Administration, DNR, Maryland Water Resources Administration, DNR, Office of Environmental Programs, Maryland Department of Health and Mental Hygiene	Other: Regulations	Internal Field Assistance	No costs identified for 1st 3 FY

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Maryland darter (Etheostoma sellare)	1	4.11	Designate sensitive management area	Complete	Prior to FY 1995	Prior to FY 1995	U.S. Fish and Wildlife Service, Maryland Natural Heritage Program, DNR, Maryland Forest, Park and Wildlife Service, DNR	Work type not yet selected	Labor type not yet selected	No costs identified for 1st 3 FY
Maryland darter (Etheostoma sellare)	1	4.12	Protect stream side buffer zones	Partially Complete			U.S. Fish and Wildlife Service, Maryland Environmental Trust, DNR, Maryland Natural Heritage Program, DNR, Maryland Forest, Park and Wildlife Service, DNR	Work type not yet selected	Labor type not yet selected	Originally based on estimated cost of buffer zone, but buffer zone has not been protected by acquisition.
Maryland darter (Etheostoma sellare)	1	4.21	Utilize instream flow methodology	Not Started			U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	Not considered necessary at this time.
Maryland darter (Etheostoma sellare)	1	4.22	Include protective measures in water use permits	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Maryland Natural Heritage Program, DNR, Maryland Tidewater Administration, DNR, Maryland Water Resources Administration, DNR	Other: Regulations	Internal Technical Assistance	No costs identified for 1st 3 FY
Maryland darter (Etheostoma sellare)	1	4.3	Map land use and pollution sources	Complete	Prior to FY 1995	Prior to FY 1995	Maryland Natural Heritage Program, DNR	Management: General	Internal Technical Assistance	
Maryland darter (Etheostoma sellare)	2	4.411	Reestablish and operate Deer Creek monitoring stations	Not Started			U.S. Fish and Wildlife Service, Office of Environmental Programs, Maryland Department of Health and Mental Hygiene	Work type not yet selected	Labor type not yet selected	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Maryland darter (Etheostoma sellare)	2	4.412	Analyze water quality data	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Maryland Natural Heritage Program, DNR, Maryland Tidewater Administration, DNR, Office of Environmental Programs, Maryland Department of Health and Mental Hygiene	Work type not yet selected	Labor type not yet selected	No costs identified for 1st 3 FY
Maryland darter (Etheostoma sellare)	1	4.421	Enforce water quality regs	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Maryland Water Resources Administration, DNR, Office of Environmental Programs, Maryland Department of Health and Mental Hygiene	Other: Regulations	Internal Field Assistance	No costs identified for 1st 3 FY
Maryland darter (Etheostoma sellare)	2	4.422	Evaluate discharge permits	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Maryland Natural Heritage Program, DNR, Maryland Tidewater Administration, DNR, Office of Environmental Programs, Maryland Department of Health and Mental Hygiene	Work type not yet selected	Labor type not yet selected	No costs identified for 1st 3 FY
Maryland darter (Etheostoma sellare)	2	4.51	Work with Deer Creek Scenic Rivers Advisory Board	Obsolete			U.S. Fish and Wildlife Service, Maryland Natural Heritage Program, DNR	Work type not yet selected	Labor type not yet selected	No costs identified for 1st 3 FY
Maryland darter (Etheostoma sellare)	1	4.52	Recommend protective measures for development projects	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Harford County Department of Planning and Zoning, Maryland Natural Heritage Program, DNR, Maryland Tidewater Administration, DNR	Other: Regulations	Internal Field Assistance	No costs identified for 1st 3 FY

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Maryland darter (Etheostoma sellare)	2	4.531	Monitor and update rural and urban development plans	Discontinued	Prior to FY 1995		U.S. Fish and Wildlife Service, Harford County Department of Planning and Zoning, Maryland Natural Heritage Program, DNR	Work type not yet selected	Labor type not yet selected	No costs identified for 1st 3 FY
Maryland darter (Etheostoma sellare)	1	4.532	Review zoning guidelines	Obsolete			U.S. Fish and Wildlife Service, Harford County Department of Planning and Zoning, Maryland Natural Heritage Program, DNR	Work type not yet selected	Labor type not yet selected	No costs identified for 1st 3 FY
Maryland darter (Etheostoma sellare)	1	4.533	Implement protective zoning	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Harford County Department of Planning and Zoning	Work type not yet selected	Labor type not yet selected	No costs identified for 1st 3 FY
Maryland darter (Etheostoma sellare)	1	4.611	Promote SCS farm plans	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Soil Conservation Service , Maryland Department of Agriculture, Maryland Natural Heritage Program, DNR	Work type not yet selected	Labor type not yet selected	No costs identified for 1st 3 FY
Maryland darter (Etheostoma sellare)	1	4.612	Improve safety of manure pits	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Soil Conservation Service , Maryland Department of Agriculture, Maryland Natural Heritage Program, DNR	Work type not yet selected	Labor type not yet selected	No costs identified for 1st 3 FY
Maryland darter (Etheostoma sellare)	2	4.613	Promote 208 plans	Obsolete			U.S. Fish and Wildlife Service, Maryland Natural Heritage Program, DNR, Office of Environmental Programs, Maryland Department of Health and Mental Hygiene	Work type not yet selected	Labor type not yet selected	No costs identified for 1st 3 FY

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Maryland darter (Etheostoma sellare)	1	4.614	Landowner education runoff series	Unknown			U.S. Fish and Wildlife Service, Soil Conservation Service , Maryland Natural Heritage Program, DNR	Work type not yet selected	Labor type not yet selected	
Maryland darter (Etheostoma sellare)	2	5.1	Develop news releases	Obsolete			U.S. Fish and Wildlife Service, Maryland Natural Heritage Program, DNR	Work type not yet selected	Labor type not yet selected	No costs identified for 1st 3 FY
Maryland darter (Etheostoma sellare)	2	5.2	Develop status brochures	Complete	Prior to FY 1995	Prior to FY 1995	U.S. Fish and Wildlife Service, Maryland Natural Heritage Program, DNR	Work type not yet selected	Labor type not yet selected	
Maryland darter (Etheostoma sellare)	2	5.3	Present public information sessions	Discontinued	Prior to FY 1995		U.S. Fish and Wildlife Service, Maryland Natural Heritage Program, DNR, Maryland Tidewater Administration, DNR	Work type not yet selected	Labor type not yet selected	No costs identified for 1st 3 FY